

## ABSTRACT OF THE DISCLOSURE

There are provided an image reading apparatus, in which a plurality of image reading sensors are joined one another, and which is capable of simply and precisely compensating for defective data in joint portions of the plurality of image reading sensors through interpolation so as to obtain a high-quality image. The image reading apparatus includes an image reading portion for reading an image on an original for each pixel with the use of a plurality of image reading sensors arranged in a row in the direction of the array of pixels, and a pixel interpolation portion for computing, with the use of a filter portion, interpolation pixel data for compensating, through interpolation, for a target pixel that is an unreadable pixel situated between adjacent image reading sensors. The filter portion includes a plurality of filters having respective different filter sizes, and the pixel interpolation portion detects the degree of flatness of data for pixels situated in the vicinity of the target pixel and changes over the plurality of filters according to a result of detection of the degree of flatness.